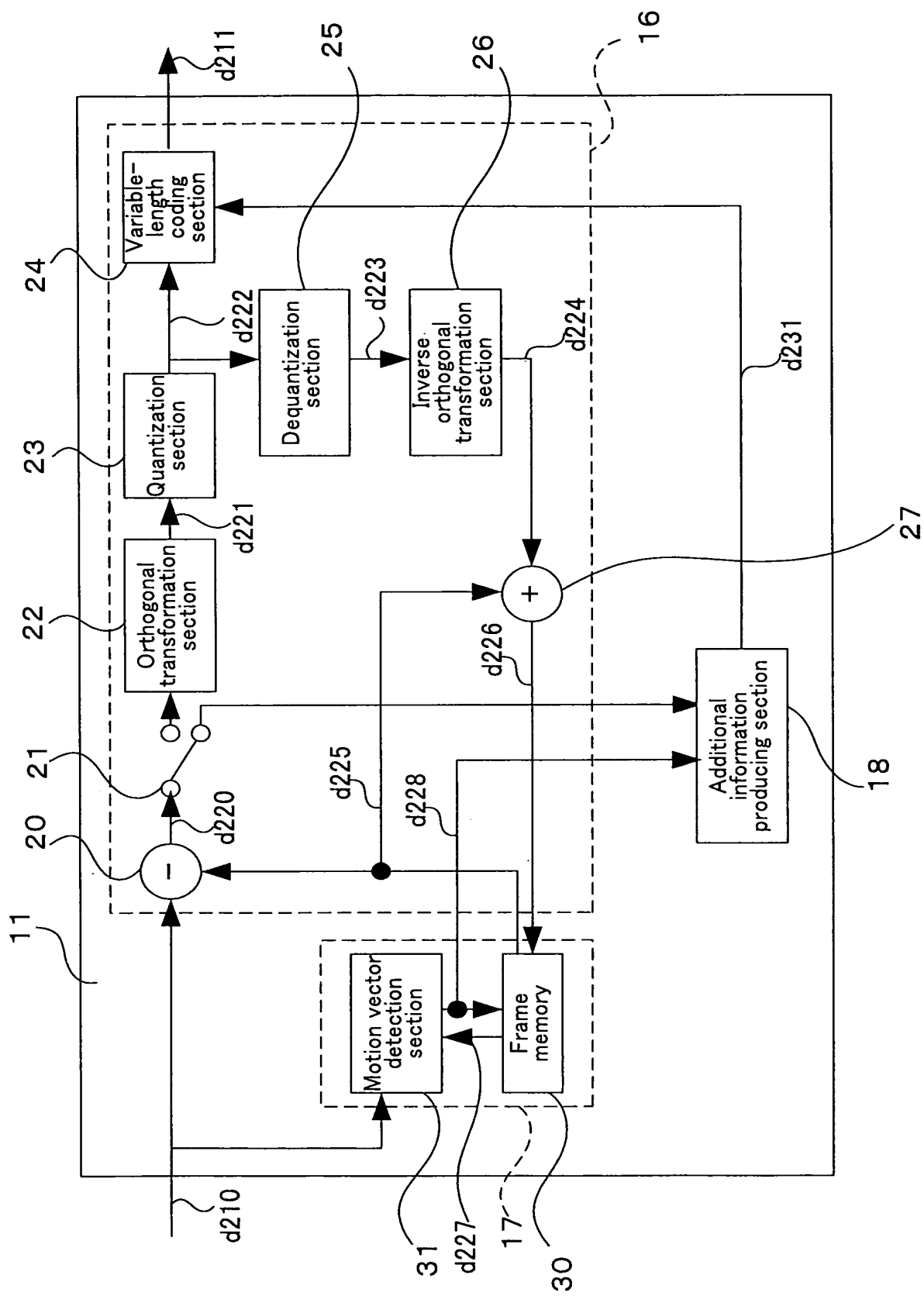
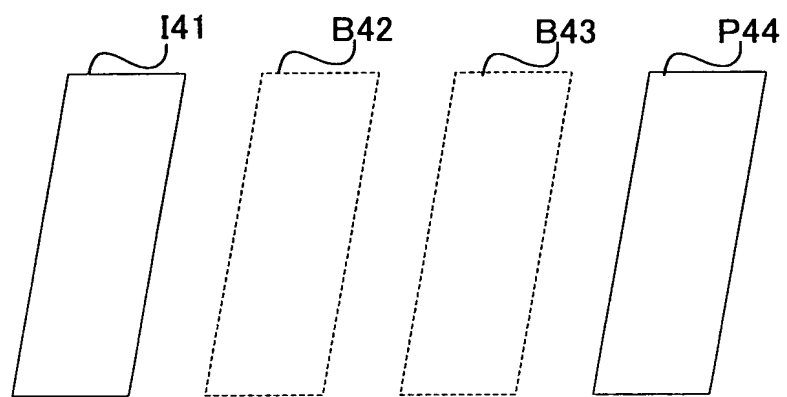
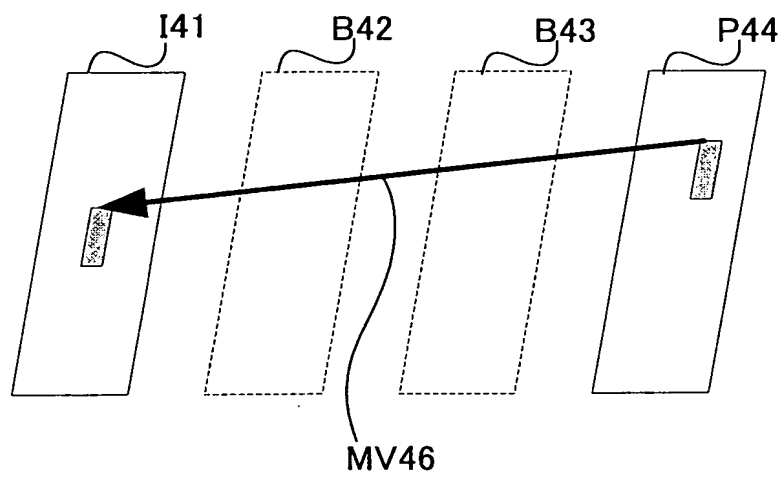


*Fig.1*

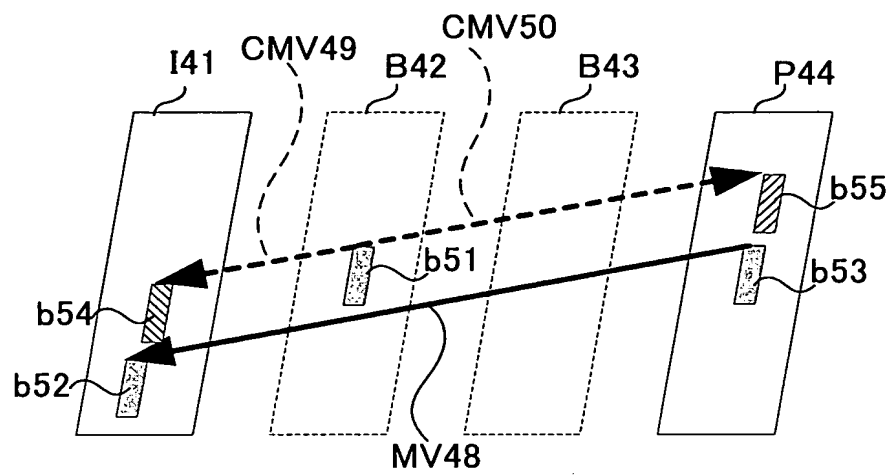




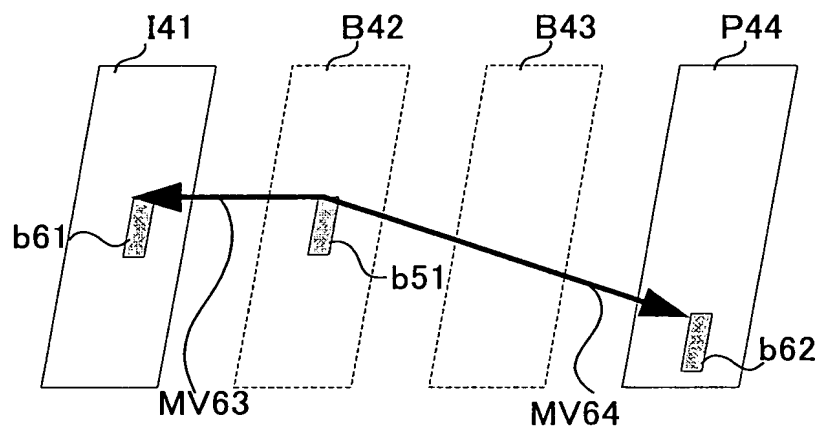
*Fig. 3A*



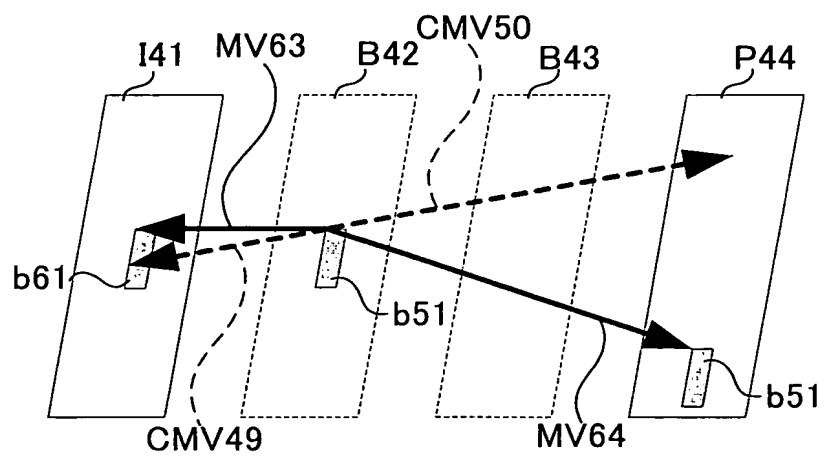
*Fig. 3B*



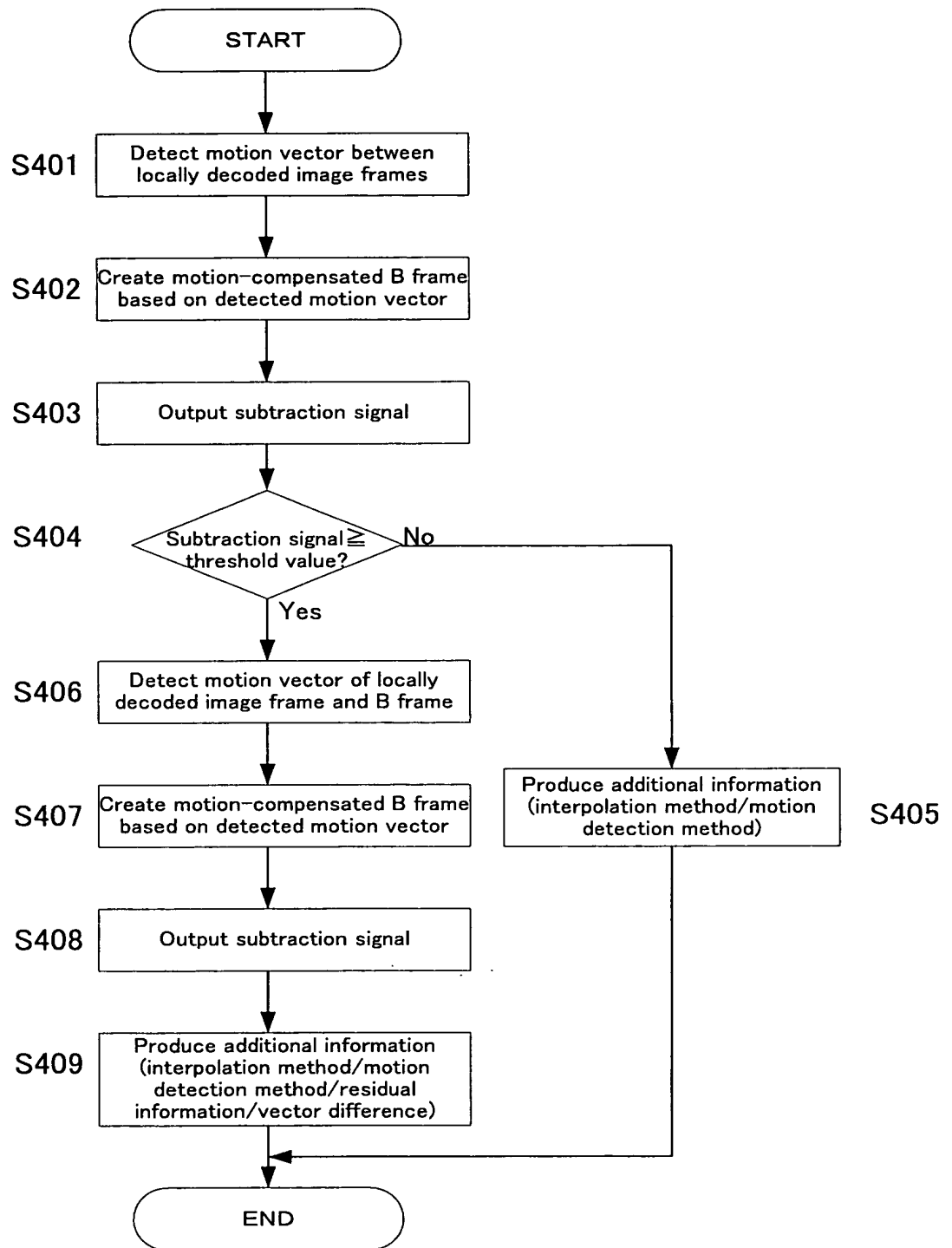
*Fig. 4A*



*Fig. 4B*



*Fig. 4C*



*Fig.5*

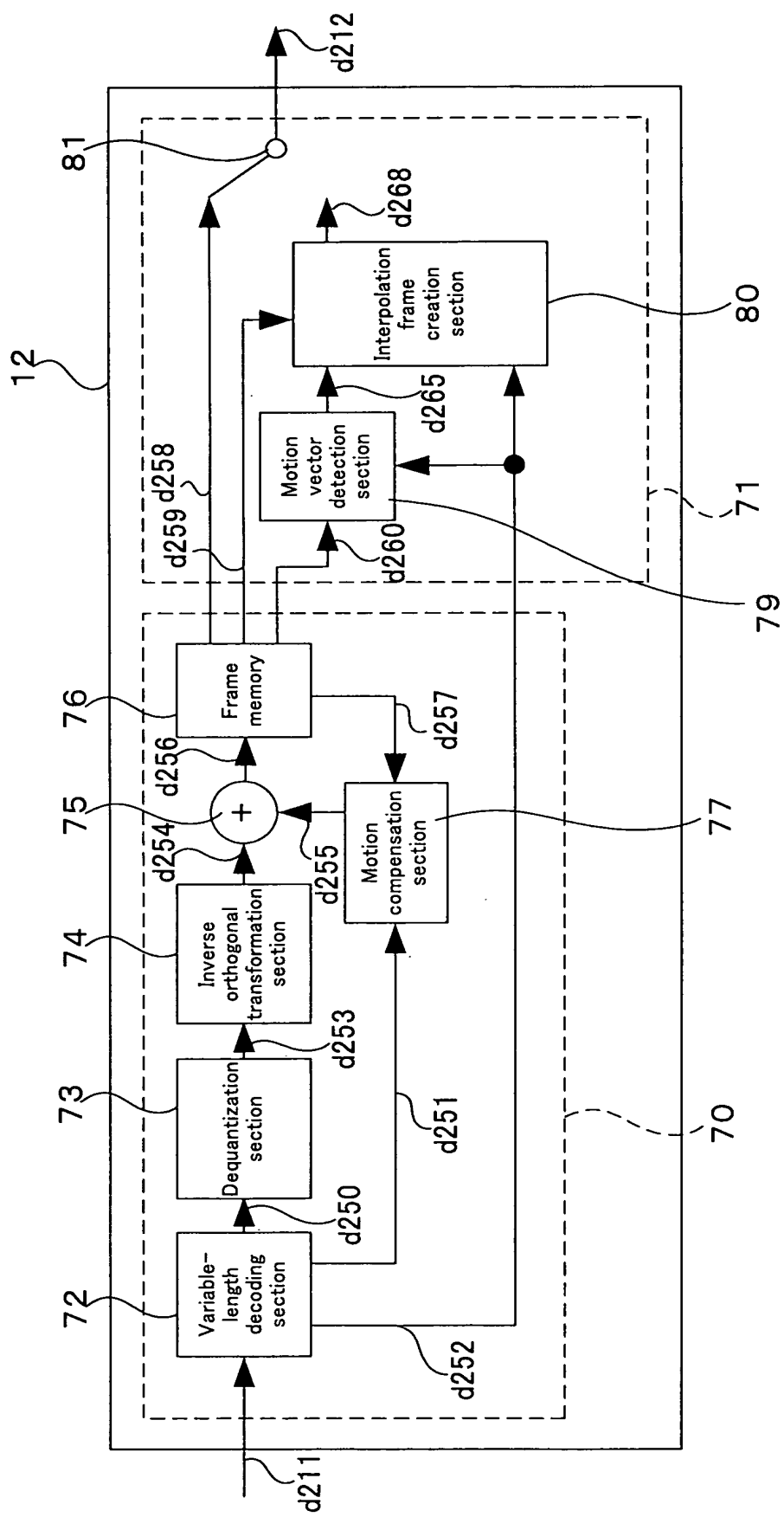
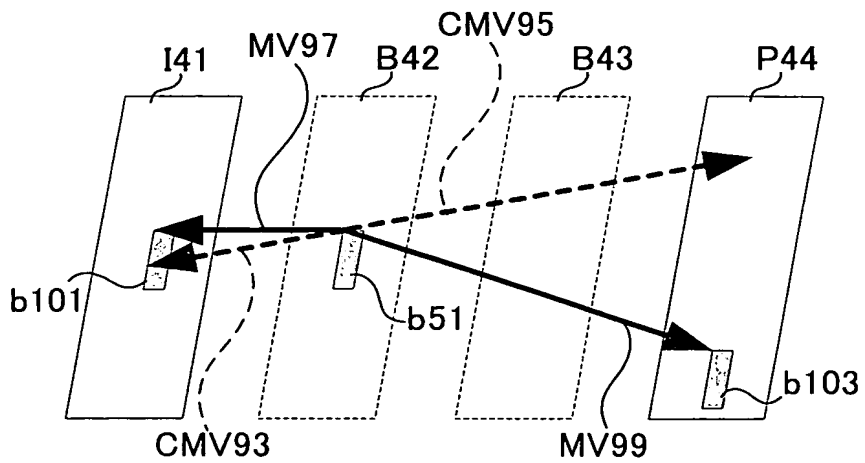
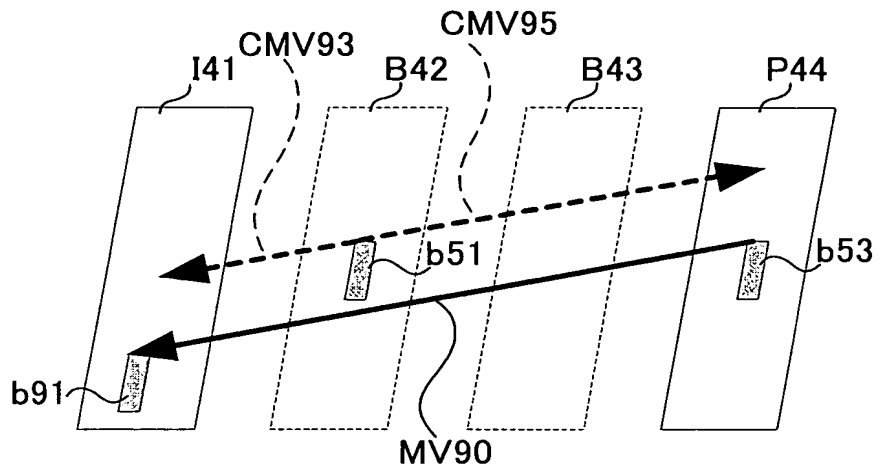
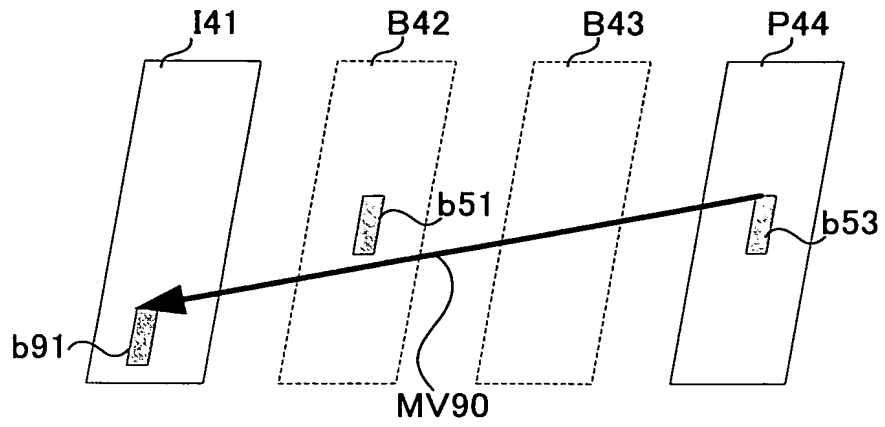
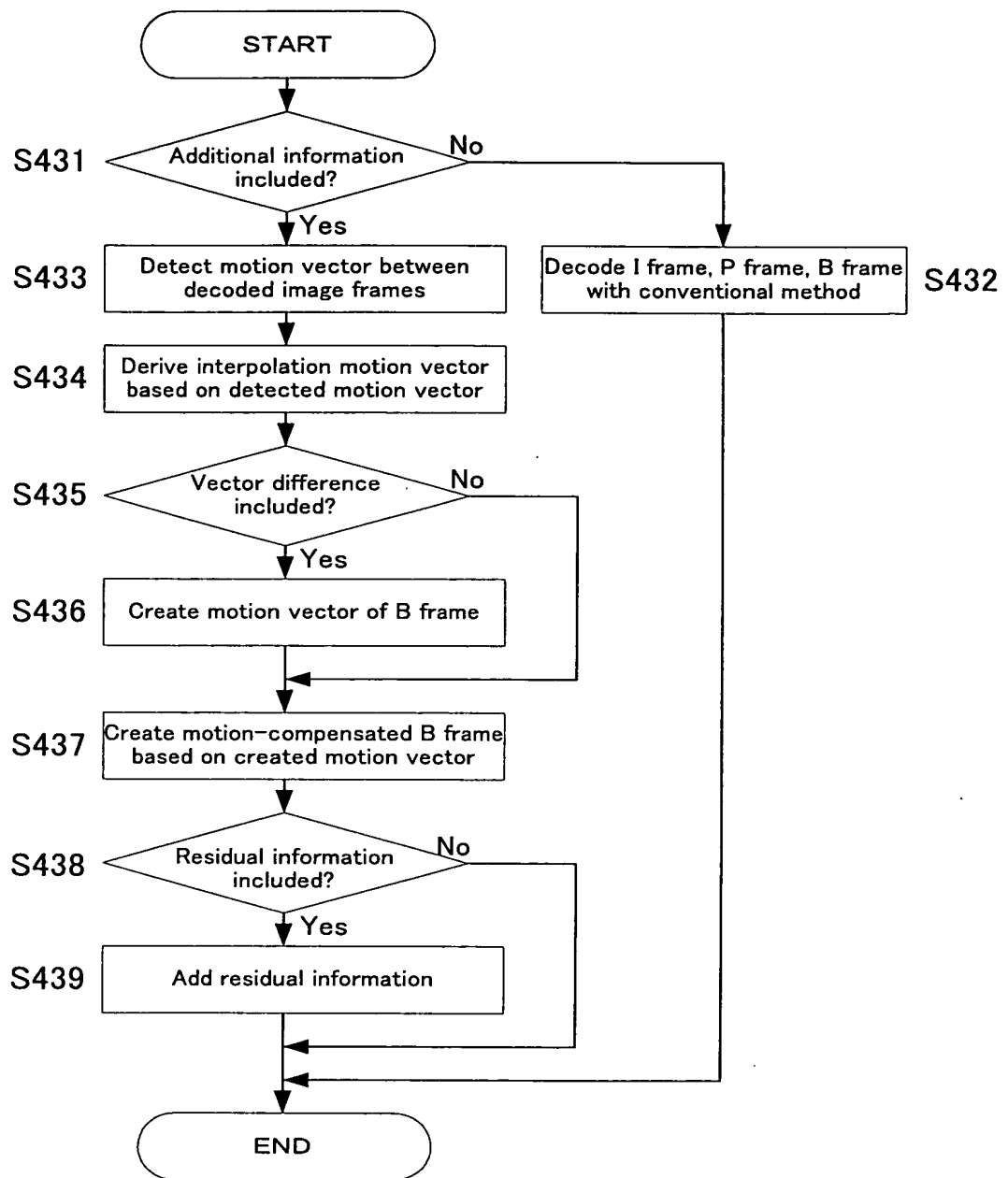


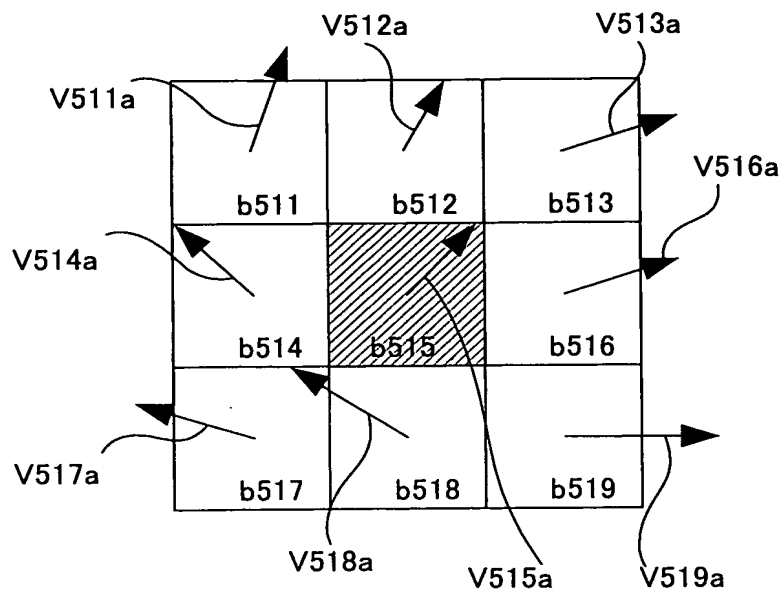
Fig. 6



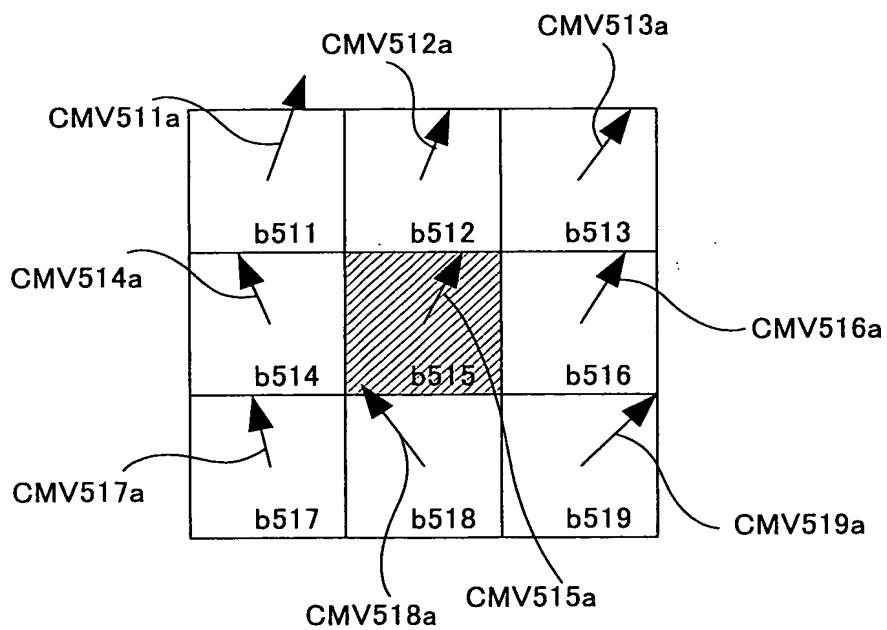


*Fig. 8*





*Fig. 9A*



*Fig. 9B*

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Code	Search range	Sub-pel precision	Evaluation function
1	$\pm 8$	1	F1
2	$\pm 16$	1/2	F2
3	$\pm 32$	1/4	F3
4	$\pm 64$	1/8	F4

*Fig. 10*

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Profile	1	2	3	4
Interpolation method	○	○	○	○
Residual information	○	×	×	○
Vector difference	○	○	×	○
Motion detection method	Full search	3step	3step	OAT

*Fig. 11*

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Input	Process
Full search	3step search
3step search	3step search
OAT search	OAT search
Hierarchical search	OAT search

*Fig.12*

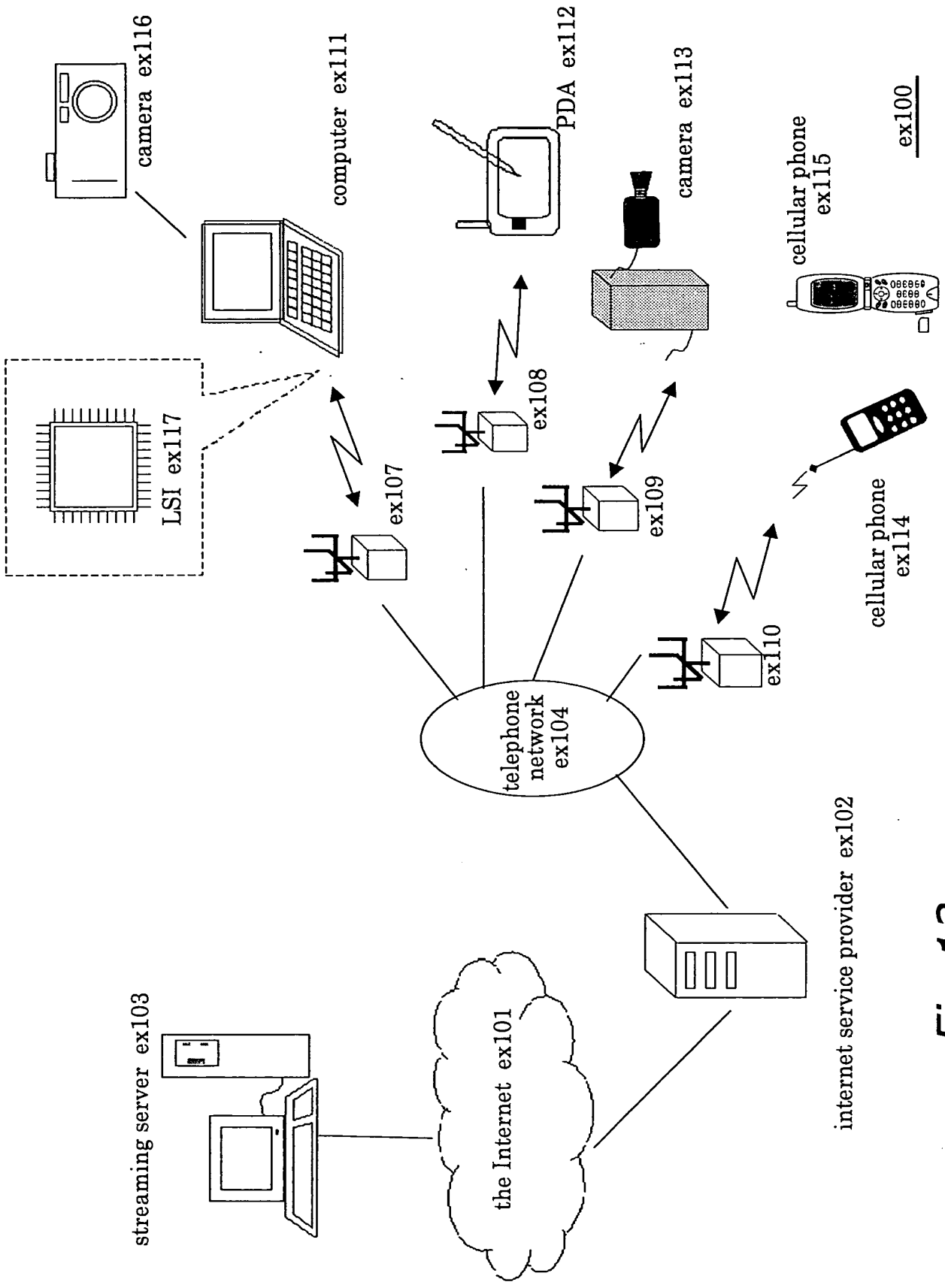
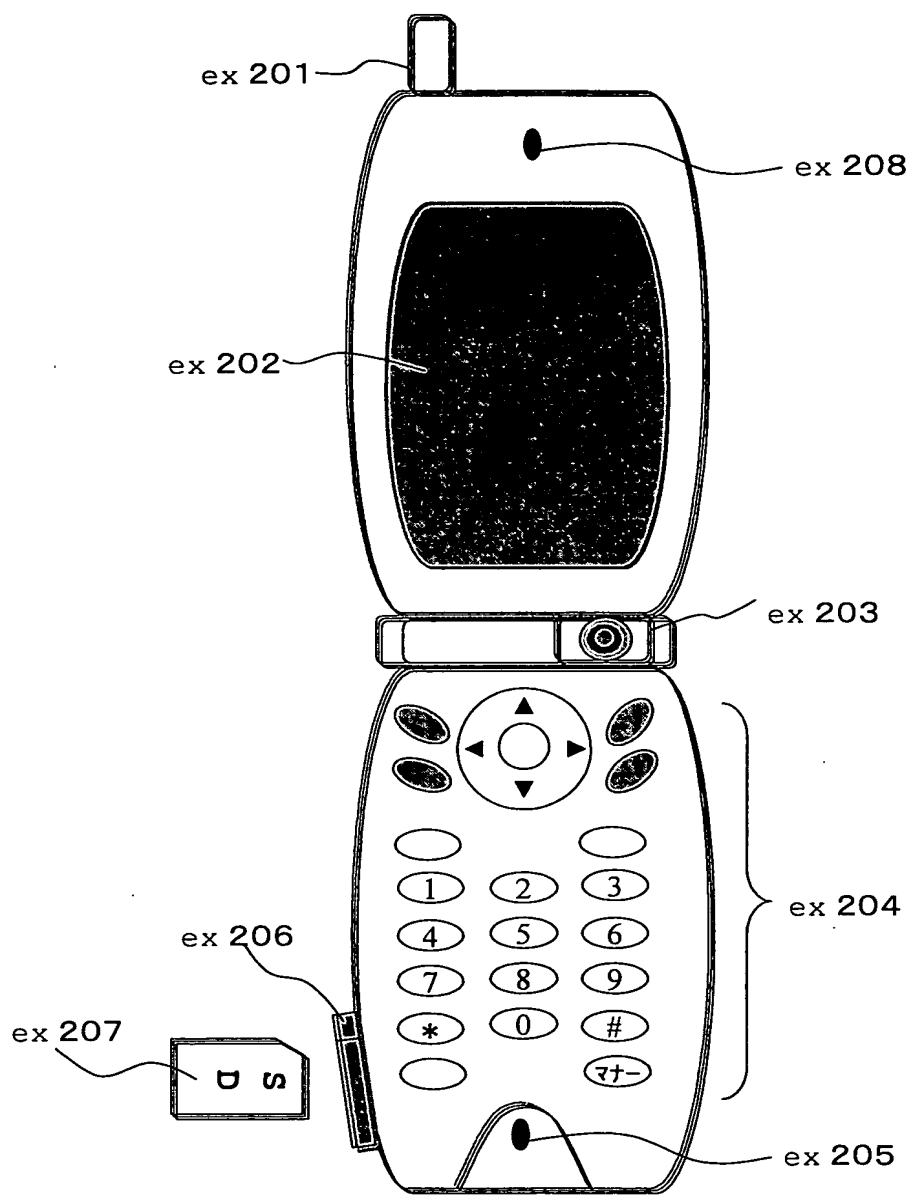
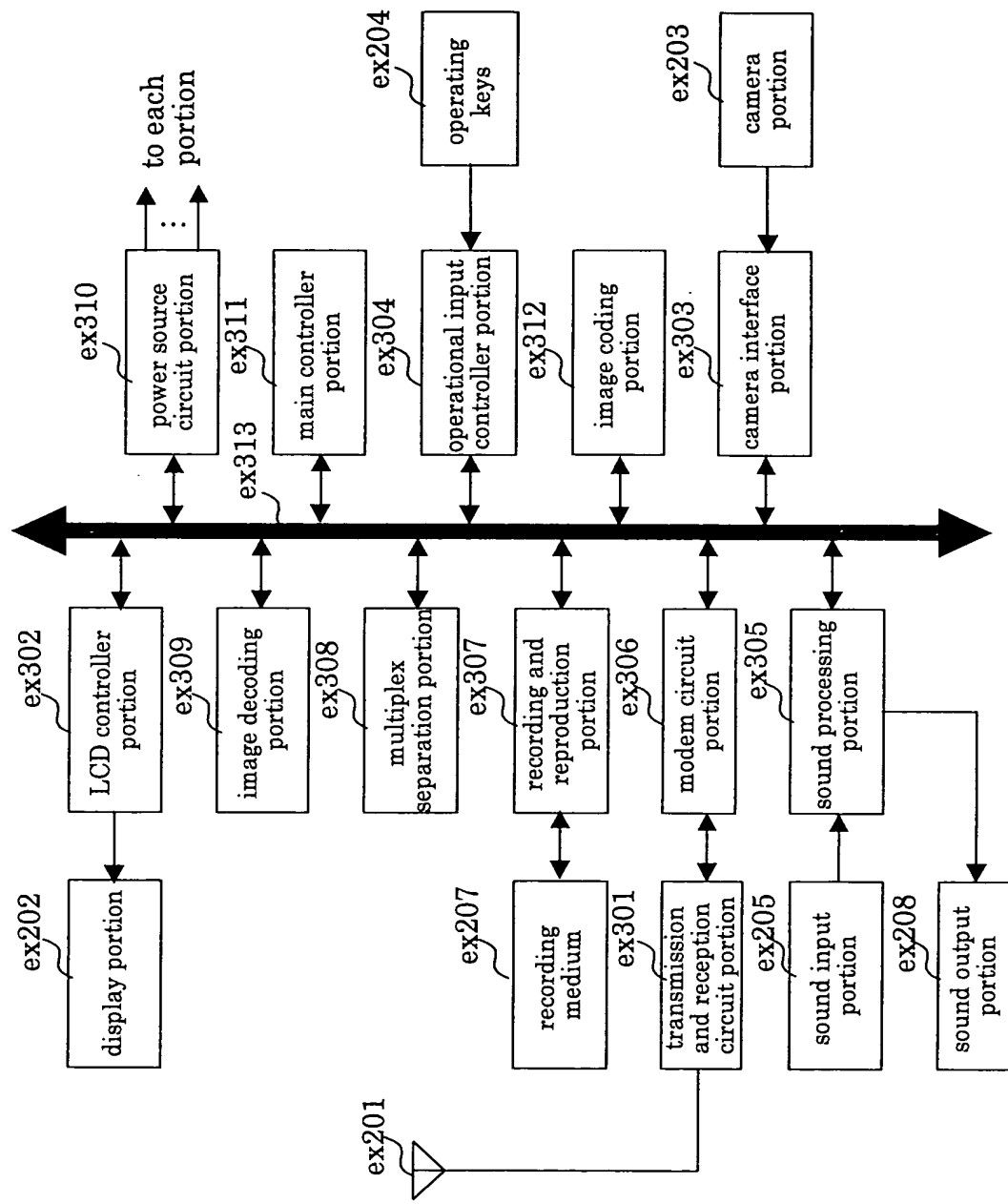


Fig.13



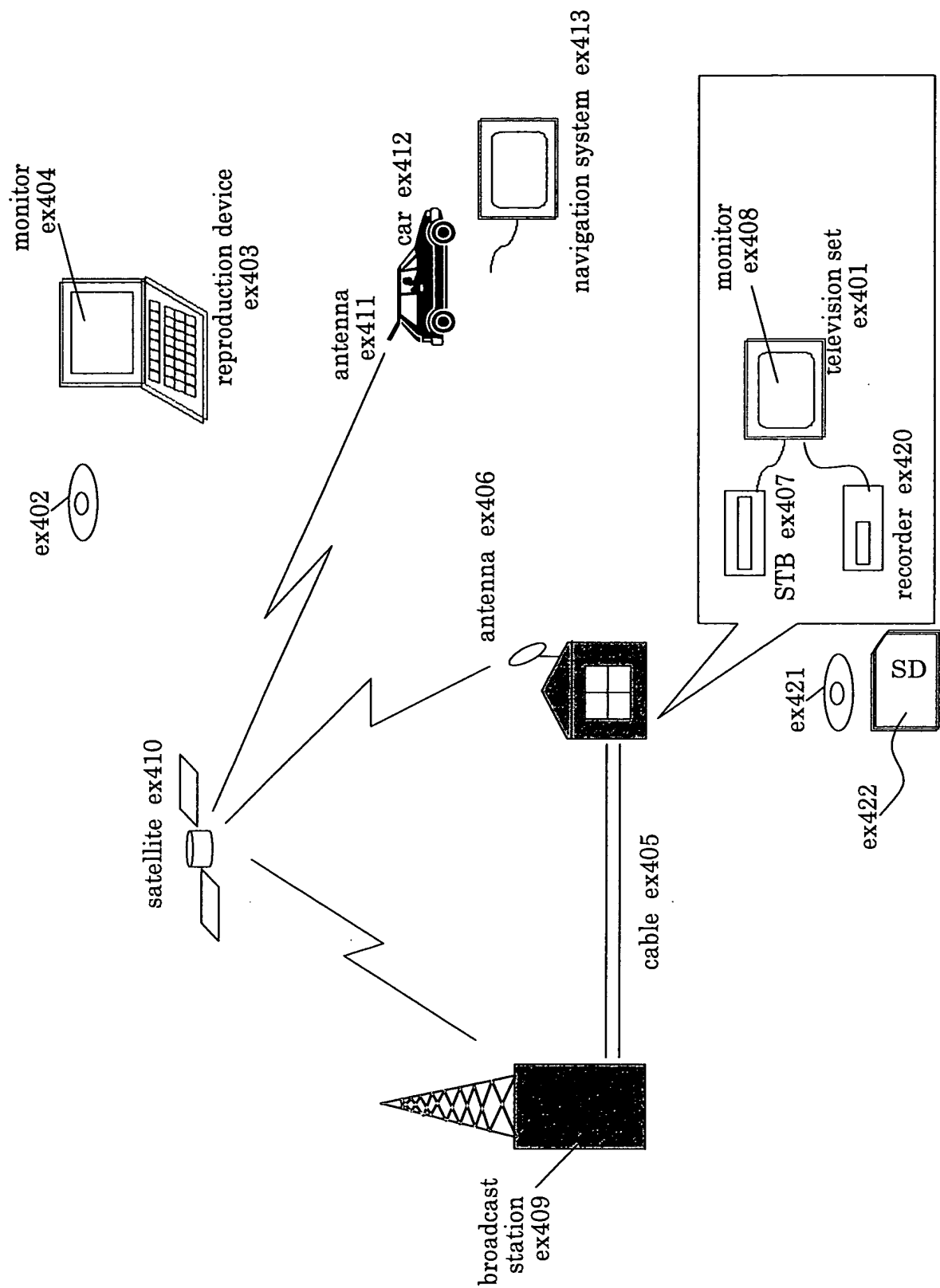
ex 115

*Fig. 14*



ex115

Fig. 15



*Fig.16*